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U.S. ENVIRONMENTAL PROTECTION AGENCY POLLUTION/SITUATION REPORT Arthur Street Mercury - Removal Polrep Initial and Final Removal Polrep





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY Region V

Subject:

POLREP #1

Initial and Final Polrep Arthur Street Mercury

Brookfield, IL

Latitude: 41.8299568 Longitude: -87.8529382

To:

Mark Johnson, ATSDR Marc Miller, Illinois DNR Todd Rettig, Illinois DNR Bruce Everetts, Illinois EPA John Kim, Illinois EPA Todd Goeks, NOAA Greg Schweitzer, NOAA

Wayne Babcock, U.S. Department of Interior Robert Burr, U.S. Department of Interior

Valencia Darby, U.S. DOI Carolyn Bohlen, U.S. EPA Sam Borries, U.S. EPA Jaime Brown, U.S. EPA Phillippa Cannon, U.S. EPA Mark Durno, U.S. EPA Jason El-Zein, U.S. EPA HQ EOC, U.S. EPA Charlie Gebien, U.S. EPA John Glover, U.S. EPA Mick Hans, U.S. EPA Cecilia Moore, U.S. EPA Mike Ribordy, U.S. EPA Carol Ropski, U.S. EPA Brian Schlieger, U.S. EPA

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Tom Baughman, ILDPH

From:

Mike Beslow, OSC

Date:

6/29/2016

Reporting Period:

06/29/2016

1. Introduction

1.1 Background

Site Number:

Contract Number:

D.O. Number:

Action Memo Date:

Response Authority: CERCLA

Response Type:

Emergency

Response Lead:

EPA

Incident Category:

NPL Status:

Non NPL

Operable Unit:

Mobilization Date:

Start Date:

Demob Date:

Completion Date:

CERCLIS ID:

RCRIS ID:

ERNS No .:

State Notification:

FPN#:

Reimbursable Account #:

1.1.1 Incident Category

1.1.2 Site Description

The release occurred indoors at a residential home. The release of mercury was to the hard wood floor

1.1.2.1 Location

3330 Arthur Street

Brookfield, IL

1.1.2.2 Description of Threat

Elemental Mercury in residence with small children

1.1.3 Preliminary Removal Assessment/Removal Site Inspection Results

Initial screening results with the Lumex peaked at 11,000 ug/m3 at source area

2. Current Activities

2.1 Operations Section

2.1.1 Narrative

On Sat, June 25, resident was preparing to hang an antique mirror. The mirror cracked on the back side and released elemental mercury to the hardwood floor.

2.1.2 Response Actions to Date

Homeowner vacuumed initial mercury beads with a vacuum. They contacted a number of local agencies. Illinois department of health was unable to respond because they did not have a mercury vapor analyzer. Serv-Pro responded and used air scrubbers to conduct an air exchange within the house. Serv-Pro disposed of the contaminated waste and the residents covered the effected area with visqueen plastic.

EPA arrived at approximately 9 am on June 29 with START. Air monitoring was conducted using a Lumex mercury vapor analyzer. Found readings at as high at 11,000 ug/m3 at source area in dining room.

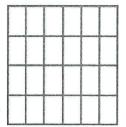
START applied 3 applications of zinc powder from PIG Mercury Spill cleanup kit and screened the source area between each application. After 3 applications, Lumex detected upto 2200 ug/m3 at source area. Visqueen plastic was reapplied to floor, and room rescreen. With visqueen applied, breathing zone in source room was down to 4 ug/m3.

Homeowner stated they would make a claim with their insurance company to complete cleanup, and requested EPA to screen once again after insurance had finalized mitigation.

2.1.3 Enforcement Activities, Identity of Potentially Responsible Parties (PRPs)

2.1.4 Progress Metrics

all elemental mercury waste was removed by Serv-Pro



2.2 Planning Section

2.2.1 Anticipated Activities

EPA expects to rescreen house, after insurance company completes remediation steps

2.2.1.1 Planned Response Activities

2.2.1.2 Next Steps

2.2.2 Issues

2.3 Logistics Section

No information available at this time.

2.4 Finance Section

No information available at this time.

2.5 Other Command Staff

No information available at this time.

3. Participating Entities

3.1 Unified Command

none

3.2 Cooperating Agencies

ATSDR

Illinois Department of Health

4. Personnel On Site

EPA

START

Homeowner

5. Definition of Terms

ATSDR - Agency for Toxic Substances and Disease Registry

6. Additional sources of information

No information available at this time.

7. Situational Reference Materials

No information available at this time.